

JENN-AIR

Quiet-tested

POWER EXHAUSTERS



Jenn-Air Products Company, Inc.

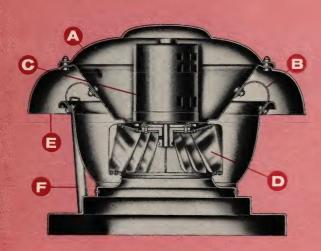
1102-1108 STADIUM DRIVE . INDIANAPOLIS, INDIANA



DIRECT DRIVE

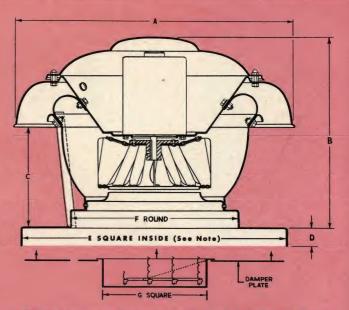
For schools, hospitals, commercial and industrial structures

Careful design and engineering have made the Jenn-Air Centrifugal Roof Exhauster outstanding both in looks and in performance. Its strikingly simple lines are especially well suited to modern low parapet buildings. All aluminum housing resists corrosion and needs no further protection against weathering. Easily installed and serviced . . . built to give years of quiet, trouble-free service.



FEATURES

- A Heavy gauge, corrosion free, spun aluminum housing
- **B** Exclusive U-spring suspension for maximum vibration isolation
- C Ten-year lubricated ball bearing motor, mounted outside air stream
- Non-overloading all aluminum wheel, dynamically and statically balanced
- E High point of discharge with low contour
- F External wiring post provided for electrical conduit



NOTE: Outside dimension of curb base should be 3/4" to 1" less than the inside curb cap dimension (E) depending on thickness of flashing material used.

ELECTRICAL CHARACTERISTICS

Disconnect switches for single or three phase supplied if specified. Two speed units furnished with hi-off-low controls. Single phase available in 115 volt or 230 volt, 60 cycle. Three phase available in 208, 220 and 440 volt, 60 cycle. Most models available as explosion resistant with Class 1, Group D explosion proof motors and spark resistant construction according to AMCA Bulletin 110, Type B. Explosion proof disconnect switches or controls are not furnished. Explosion resistant 71CR, 70CR and 80CR furnished with 1/20 HP, 1725 RPM, Class 1, Group D motor. For further motor specifications see Sheet No. 1414 or contact your local representative.

PERFORMANCE AND DIMENSIONAL DATA



CR SERIES CENTRIFUGAL ROOF EXHAUSTERS

Model	НР	RPM										DIA	AENSI	ONS	IN IN	ICHES		Metal	Approx.
No.			O" SP	1/8 " SP	1/4" SP	3/8" SP	1/2" SP	5/8" SP	3/4" SP	1" SP	A	В	C	D	E	F	G**	Gauges	Shipping Weight
* 71CR*	1/25	1550	170	150	130	100	60				21	14	7	2	20	121/4	8	.064	25
* 70CR*	1/25	1550	325	290	225	155	95				21	14	7	2	20	121/4	8	.064	25
* 80CR*	1/15	1550	610	550	465	350	280	210	140		21	14	7	2	20	121/4	8	.064	30
98CR	1/12	860	690	510	250	115					28	18	9	3	24	17	12	.064081	65
* 91CR	1/8	1140	920	810	620	400	300	180			28	18	9	3	24	17	12	.064081	50
* 90CR	1/4	1725	1390	1320	1250	1170	1030	910	700	520	28	18	9	3	24	17	12	.064081	50
108CR	1/12	860	815	630	345	190					28	18	9	3	24	17	12	.064081	65
*101CR	1/6	1140	1080	980	770	540	450	330	200		28	18	9	3	24	17	12	.064081	65
*100CR	1/3	1725	1640	1570	1500	1410	1270	1060	910	735	28	18	9	3	24	17	12	.064081	65
118CR	1/12	860	1080	825	530	310					36	22	11	3	28	21	16	.064081	95
*111CR	1/6	1140	1440	1230	1040	800	660	560	420		36	22	11	3	28	21	16	.064081	95
*110CR	1/2	1725	2190	2000	1890	1770	1660	1500	1340	1070	36	22	11	3	28	21	16	.064081	105
128CR	1/12	860	1180	1030	820	540	440	160			36	22	11	3	28	21	16	.064081	110
*121CR	1/4	1140	1560	1450	1350	1190	990	750,	680	430	36	22	11	3	28	21	16	.064081	95
148CR	1/4	860	2370	2040	1770	1300	920	740	470		42	25	11	3	32	25	20	.064081	145
141CR	1/2	1140	3140	2880	2650	2450	2250	1890	1470	1070	42	25	11	3	32	25	20	.064081	155
168CR	1/3	860	2970	2750	2490	1920	1410	1010	630		42	25	11	3	32	25	20	.064081	150
161CR	3/4	1140	3950	3770	3600	3400	3120	2720	2230	1570	42	25	11	3	32	25	20	.064081	180

*Available with Two Speed 115 Volt Single Phase Motors **Dimension G Is Recommended Type QT Damper Size When Damper and Mounting Plate Are Specified

A

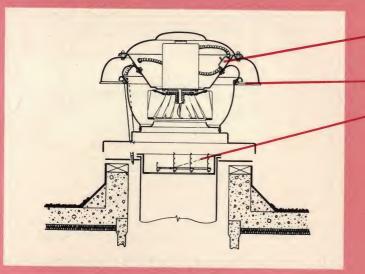
Quiet • for offices, schools, hospitals, churches, auditoriums and other locations where noise must be minimized.



Average • for drug stores, kitchens, restaurants, bowling alleys, locker rooms and other similar locations.



Commercial • for laundries, machine shops and other industrial locations.



OPTIONAL ACCESSORIES

- Disconnect Switch—Insures safety when unit is being serviced. Either single or three phase. Mounted at factory inside motor compartment next to motor terminal box.
- Bird Guard—Constructed of heavy gauge stainless steel concentric wire circles.
- Back Draft Damper—Square, multi-leaf, spring loaded Type QT. Available in four sizes—8 x 8, 12 x 12, 16 x 16 and 20 x 20 inches. One-inch flange permits damper to rest on top of damper mounting plate on curb.
- Ring Type Grille—Recommended for use with low velocity fans. Furnished with installation ring which provides a firm fastening for the grille and serves as a connection for the duct. Available in six sizes—6", 8", 10", 12", 14" and 18" diameters. Satin beige prime coat.
- Acid Resistant Coating—Choice of Eisenheiss or Heresite coating for greater protection than is inherent in the aluminum itself. For complete information see Acid Selection Chart or contact your local representative.

SUGGESTED CURB CAP MOUNTING

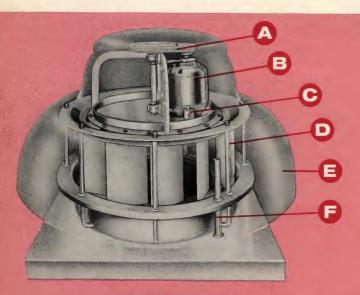
Curb cap is made of heavy gauge aluminum and supplied as an integral part of the exhauster. Above drawing shows recommended method of mounting square-shaped cap on pre-constructed curb base.

Outside dimension of curb base should be 3/4" to 1" less than curb cap dimension depending on thickness of flashing material used. After curb base of proper dimension has been erected, unit is set in place and secured.



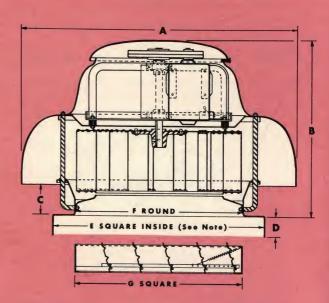
BELT DRIVE

High capacity exhaust requirements can now be handled by Jenn-Air's 'low contour' belt driven exhauster. Bold, simple lines make this unit an asset to the appearance of any building-even when visible from street level. Forty-six models to choose from . . . capacity range from 1200-22,700 CFM!



FEATURES

- Equipped with adjustable pitch motor pulleys
- Ball bearing drive and motor mounted out of air
- Disconnect switch furnished as integral part of unit
- Non-overloading, radial discharge wheel is made of all aluminum . . . dynamically and statically balanced to assure long life and quiet operation
- Single unit cover design together with one piece curb and base section eliminates any possibility of leakage
- External wiring post provided for electrical conduit



NOTE: Outside dimension of curb base should be 3/4" to 1" less than the inside curb cap dimension (E) depending on thickness of flashing material used.

ELECTRICAL CHARACTERISTICS

All models supplied with safety disconnect switches except explosion resistant units. Single speed available in 115 volt or 230 volt, single phase and 208, 220 or 440 volt, three phase. Drive motors are 1725 RPM. Two speed drive motors for most models can be supplied either two winding (1725-1140) or single winding (1725-860). Two speed controls supplied if specified. Most models available as explosion resistant with Class 1, Group D explosion proof motors and spark resistant construction according to AMCA Bulletin 110, Type B. Explosion proof disconnect switches or controls are not furnished. For further motor specifications see Sheet No. 1420 or contact your local representative.

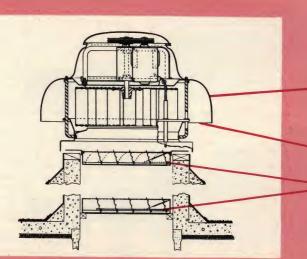
PERFORMANCE AND DIMENSIONAL DATA



BCR SERIES BELT DRIVE CENTRIFUGAL ROOF EXHAUSTERS

Model			Tip Speed			CFM. (A.	M.C.A. Bu	II. 110—I	Plate V-A)			DI	MENSI	ONS	IN IN	CHES		** Gauges 5 6 6 6 6 6 6 6 6 6	Approx.
No.		KI M	(FPM)	O" SP	1/8" SP	1/4" SP	3/8" SP	1/2" SP	5/8" SP	3/4" SP	1" SP	A	В	C	D	E	F	G**		Shipping Weight
161BCR	1/6	910	3870	1680	1510	1290	1160	900	670			34	24	41/2	3	28	181/2	18	.064125	160
162BCR	1/4	1040	4430	1920	1770	1570	1440	1310	1090	910		34	24	41/2	3	28	181/2	18		160
163BCR	1/3	1130	4810	2090	1960	1770	1610	1520	1380	1190	740	34	24	41/2	3	28	181/2	18		170
164BCR	1/2	1310	5580	2430	2320	2180	2010	1870	1790	1690	1380	34	24	41/2	3	28	181/2	18	.064125	175
181BCR	1/6	715	3510	2170	1910	1625	1330	750				34	24	41/2	3	28	181/2	18	.064125	170
182BCR	1/4	820	4030	2490	2270	2000	1770	1510	1050			34	24	41/2	3	28	181/2	18	.064125	170
183BCR	1/3	900	4420	2730	2530	2320	2080	1820	1600	1060		34	24	41/2	3	28	181/2	18	.064125	175
184BCR	1/2	1030	5050	3130	2960	2770	2550	2370	2190	2000	1270	34	24	41/2	3	28	181/2	18	.064125	180
221BCR	1/4	615	3590	3030	2680	2280	1870	1080				43	28	51/2	3	34	241/2	24	.064125	210
222BCR	1/3	680	3970	3350	3060	2680	2320	1920	1050			43	28	51/2	3	34	241/2	24	.064-,125	215
223BCR	1/2	775	4520	3820	3570	3250	2950	2580	2270	1650		43	28	51/2	3	34	241/2	24	.064125	220
224BCR	3/4	885	5160	4360	4130	3900	3600	3330	3030	2750	1740	43	28	51/2	3	34	241/2	24	.064125	225
241BCR	1/4	515	3340	3560	3080	2570	1750					43	28	51/2	3	34	241/2	24	.064125	220
242BCR	1/3	565	3660	3900	3450	2980	2520	1620				43	28	51/2	3	34	241/2	24	.064125	225
243BCR	1/2	650	4210	4500	4090	3700	3290	2780	2130			43	28	51/2	3	34	241/2	24	.064125	230
244BCR	3/4	745	4830	5150	4820	4470	4120	3750	3350	2830		43	28	51/2	3	34	241/2	24	.064-,125	235
271BCR	1/3	470	3420	4660	4080	3300	2730	1500	1			52	32	6	3	40	301/4	30	.064125	270
272BCR	1/2	540	3920	5350	4820	4250	3670	3100	2150			52	32	6	3	40	301/4	30	.064125	275
273BCR	3/4	615	4470	6100	5600	5220	4720	4150	3640	3020		52	32	6	3	40	301/4	30	.064125	280
274BCR		680	4940	6750	6280	5950	5500	4920	4500	4060	2600	52	32	6	3	40	301/4	30	.064125	300
275BCR	1-1/2	775	5630	7690	7280	6900	6660	6160	5670	5350	4580	52	32	6	3	40	301/4	30	.064125	305
301BCR	1/2	460	3700	5990	5300	4640	3700	2100		-		52	32	6	3	40	301/4	30	.064125	295
302BCR	3/4	520	4190	6770	6180	5540	4930	4070	2700			52	32	6	3	40	301/4	30	.064125	300
303BCR	/ 1	580	4660	7550	7000	6430	5930	5340	4490	3450		52	32	6	3	40	301/4	30	.064125	320
304BCR	1-1/2	660	5310	8600	8120	7620	7100	6610	6140	5550	3530	52	32	6	3	40	301/4	30	.064125	325
305BCR	2	725	5840	9440	9010	8570	8120	7700	7300	6800	5500	52	32	6	3	40	301/4	30	.064125	325
331BCR	3/4	425	3870	7550	6930	6200	5070	4070	2650	7-		60	37	7	3	46	363/4	36	.064125	355
332BCR	1	475	4330	8440	7900	7300	6530	5450	4600	3400		60	37	7	3	46	363/4	36	.064125	365
333BCR	1-1/2	540	4920	9590	9150	8600	8000	7240	6350	5600	3370	60	37	7	3	46	363/4	36	.064125	375
334BCR	2	595	5420	10500	10100	9700	9250	8700	7950	7050	5600	60	37	7	3	46	363/4	36	.064125	375
335BCR	3	680	6200	12100	11700	11300	10900	10500	9950	9340	7800	60	37	7	3	46	363/4	36	.064125	400
361BCR	3/4	385	3760	8400	7480	6500	5350	3880				60	37	7	3	46	363/4	36	.064125	360
362BCR	1	425	4150	9260	8430	7620	6520	5580	4200			60	37	7	3	46	363/4	36	.064125	375
363BCR	1-1/2	490	4790	10700	9950	9230	8470	7530	6680	5820		60	37	7	3	46	363/4	36	.064125	385
364BCR	2	535	5220	11700	11000	10300	9680	8900	8120	7320	4500	60	37	7	3	46	363/4	36	.064125	385
365BCR	3	615	6000	13400	12800	12300	11700	11200	10500	9750	8400	60	37	7	3	46	363/4	36	.064125	410
421BCR	3/4	290	3340	10300	9000	7300	5400					74	44	7	4	58	50	48	.081-3/4	845
422BCR	1	325	3740	11500	10400	9000	7400	4700				74	44	7	4	58	50	48	.081-3/4	865
423BCR	1-1/2	370	4260	13200	12100	11000	9670	8200	6550	2350		74	44	7	4	58	50	48	.081-3/4	865
424BCR	2	405	4670	14400	13400	12400	11300	10000	8800	7150		74	44	7	4	58	50	48	.081-3/4	885
425BCR	3	465	5360	16600	15700	14800	14000	13000	11800	10800	7900	74	44	7	4	58	50	48	.081-3/4	905
481BCR	1	270	3460	13300	11600	9700	7450					74	44	7	4	58	50	48	.081-3/4	875
482BCR	1-1/2	310	3980	15200	13800	12300	10300	8550	3500			74	44	7	4	58	50	48	.081-3/4	885
483BCR	2	340	4360	16700	15400	14100	12500	10800	9000	4000		74	44	7	4	58	50	48	.081-3/6	905
484BCR	3	390	5000	19200	18100	16900	15700	14200	12700	11300	4100	74	44	7	4	58	50	48	.081-3/6	905
485BCR	5	460	5910	22700	21700	20600	19600	18700	17500	16200	13700	74	44	7	4	58	50	48	.081-3/4	955

**Dimension G is Recommended Type C Damper Size



SUGGESTED CURB CAP MOUNTING



OPTIONAL ACCESSORIES

- Acid Resistant Coating—Choice of Eisenheiss or Heresite coating for greater protection than is inherent in the aluminum itself. For information about the proper material to resist specific alkalies and acids, consult Acid Selection Chart or contact your local representative.
- Bird Guard—Constructed of heavy gauge stainless steel concentric wire circles.
- Back Draft Damper—Square multi-leaf spring loaded type C. Available in five sizes—18 x 18, 24 x 24, 30 x 30, 36 x 36 and 48 x 48 inches. Can be furnished with attachable flange to mount on curb or without flange to mount inside of curb. Dampers are available in automatic or motorized.

Curb cap is made of heavy gauge aluminum and supplied as an integral part of the exhauster. Above drawing shows recommended method of mounting square-shaped cap on preconstructed curb base. Outside dimension of curb base should be 3/4" to 1" less than the inside curb cap dimension, depending on the thickness of flashing material used. After curb base has been erected, unit is set in place and secured.





CENTRIFUGAL POWER ROOF EXHAUSTERS

High Discharge · Series HCB · Belt Drive

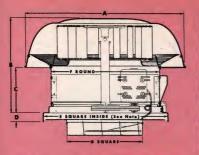


Rugged design . . . handsome, functional styling . . . guaranteed performance—you get all this and more with the new Jenn Air HI-DISCHARGE centrifugal roof exhauster. An important design feature-locating the wheel at the top of the unit-assures a high point of discharge and allows low curb construction, thus achieving a lower overall height than any equivalent unit in the industry. A better value for general ventilation.

- Maintenance free aluminum housing, provides strength without weight.
- Birdguard of heavy gauge stainless steel construction, an integral part of every unit.
- Special vibration absorbers reduce noise to an absolute minimum.
- Adjustable motor pulley permits speed variation.
- Totally enclosed full ball bearing, pre-lubricated motor. Air cooled application adds years to motor
- Tubular drive assembly has sealed, pre-lubricated ball bearings.

						D^{A}	

					PERF	DRMANC	E DATA				
Model	НР	RPM	Tip Speed			CI	M. (A.M.C.A. Bu	il. 110—Plate V	·A)		
No.			FPM	O" SP	1/8" SP	1/4 " SP	3/8" SP	1/2" SP	5/8" SP	3/4" SP	1" SP
		610	2600	1085	810 965	710					
161 HCB	1/6	755	3200	1340	1110	870	595				
- 10		825 910	3500 3870	1470	1260	1040	840	480			
162 HCB	1/4	990	4200	1620 1760	1430	1230	1100	880 1120	900	610	
102 HCB	1/4	1040	4430	1850	1700	1500	1380	1240	1050	840	
163 HCB	1/3	1080	4600	1920 2010	1780	1590	1450	1340	1160	970	
		1180	5000	2100	1970	1790	1640	1450	1300	1130	885
164 HCB	1/2	1250	5300 5580	2220 2330	2100	1930	1780	1680	1580	1450	1130
		470	2300	1370	2210 940	2070	1910	1800	1720	1610	1310
		530	2600	1540	1160	615					
181 HCB	1/6	590 650	2900 3200	1720	1380	1010					
		715	3510	2080	1590 1810	1280	1210	690			
182 HCB	1/4	765	3750	2230	1970	1720	1440	1060			
		820 855	4030	2390 2490	2155 2270	1920	1670	1370	960		
183 HCB	1/3	900	4420	2620	2410	2200	1810	1550	1200	1050	
184 HCB	1/	935	4600	2720	2530	2320	2110	1890	1630	1290	
104 1108	1/2	975 1030	4800 5050	2840 3000	2660 2830	2460	2260 2450	2050	1810 2040	1520	1150
		410	2400	1930	1370	-040	2.100	2200	2040	1840	1150
221 HCB	1/	460	2700	2160	1690	1230					-
221 HCB	1/4	515 565	3000	2420	2010 2290	1600	720 1350				
		615	3590	2900	2560	2160	1770	1040			
222 HCB	1/3	640	3750 3970	3010 3210	2690 2890	2300	1930	1370			
223 HCB	1/2	730	4250	3430	3160	2530 2810	2210 2520	1790	1010	880	
223 NCB	/2	775 805	4520	3650	3390	3080	2790	2480	2090	1550	
224 HCB	3/4	840	4700 4900	3780 3940	3550 3720	3250 3440	2960 3160	2660 2880	2330 2590	1900	200
		885	5160	4170	3950	3700	3410	3160	2910	2210 2590	920 1680
		340 370	2200	2260	1460						
241 HCB	1/4	415	2400 2700	2470 2770	1660 2100	1050					
		465	3000	3100	2520	1820	650				
		515 540	3340 3500	3420 3590	2940 3130	2410	1730 2020	000			
242 HCB	1/3	565	3660	3750	3320	2840	2290	800 1480			
243 HCB	1/2	610	3950 4210	4050 4310	3650	3240	2750	2170	1250		
		680	4400	4520	3940 4150	3550 3780	3120 3370	2620	1920 2350	1600	
244 HCB	3/4	710	4600	4720	4370	4020	3640	3220	2720	2100	
		745 330	4830 2400	4940 3150	4620 2130	4280	3920	3540	3120	2600	700
		360	2600	3430	2530	1350				-	
271 HCB	1/3	385 415	2800	3670	2850	1820					
		413	3000 3200	3960 4200	3220 3500	2350	1500 2100				
		470	3420	4460	3880	3170	2600	1460			
272 HCB	1/2	510 540	3700 3920	5120	4280	3680 4050	3070	2520			
273 HCB	3/4	580	4200	5530	5020	4530	3450 3930	2970	2050 2900	2060	
2.3 1100	74	615 645	4470 4700	5840	5380	4920	4370	3870	3450	2910	
274 HCB	1	680	4940	6120 6450	5670 6050	5250 5630	4750 5170	4230 4680	3800 4250	3370 3870	2500
075	*11	715	5200	6780	6370	5970	5560	5120	4720	4300	3420
275 HCB	11/2	745 775	5400 5630	7060 7350	6660	6280 6570	5900 6190	5470 5830	5080	4670	3900
		310	2500	3800	2490	03/0	0190	3630	5460	5030	4320
		335	2700	4130	3020	1500					
301 HCB	1/2	360 385	2900 3100	4440 4750	3470 3920	2150	1320				
	/2	410	3300	5050	4300	3420	2280				
1 =		435	3500	5370	4680	3900	3020	700			
		460	3700	5690	5050	4360	3550	2080			



DII	DIMENSIONS IN INCHES											
MODEL	A	В	С	D	E	F	G					
161 THRU 184	32	22	121/4	3	28	23	18					
221 THRU 244	41	251/2	121/2	3	34	29	24					
271 THRU 305	51	301/2	141/4	3	40	35	30					
331 THRU 365	60	343/4	16	3	46	41	36					
421 THRU 485	74	401/2	181/4	4	58	53	48					

NOTE: Outside dimension of curb base should be 3/4" to 1" less than the inside curb cap dimension (E) depending on thickness of flashing material used.

ELECTRICAL CHARACTERISTICS

Single speed models available in 115 volt, 208 volt or 230 volt single phase, and 208, 220, 440 volt three phase. Single speed motors are 1725 RPM. Two speed drive motors for most models can be supplied either two winding (1736/1140) or single winding (1736/1140). (1725/1140) or single winding (1725/860). Two speed controls supplied if specified. For complete motor availability see Sheet 2080 or contact your local representative.

Model No. 302 HCB 303 HCB	HP	RPM	Tip			CF	M. (A.M.C.A. Bu	II. 110—Plate V	-A)		
			Speed FPM	O" SP	1/8" SP	1/4 " SP	3/8" SP	1/2 " SP	5/8" SP	3/4 " SP	1" SP
303 HCB	3/4	490	3950	6050	5440	4800	4120	3050	1120		7
303 HCB	-7	520 545	4190	6430 6730	5860	5280	4670	3780	2530		
	1	580	4660	7170	6210	5730 6150	5050 5640	4320 5050	3350 4230	3150	
204 1100	21/	620	5000	7670	7390	6730	6200	5720	5050	4220	1500
304 HCB	11/2	660	5310	8160	7740	7280	6820	6350	5830	5150	3280
305 HCB	2	690	5550	8540	8100	7660	7230	6820	6350	5780	4230
		725	5840	8970	8550	8140	7740	7330	6920	6450	5130
		320	2900	5420	4380	3150					
		340 360	3100 3300	6090	4850 5270	3770 4300	2180				
331 HCB	3/4	385	3500	6520	5780	4950	3380	1700			
		405	3700	6850	6180	5420	4180	3030			
		425	3870	7190	6600	5840	4820	3820	2490		
332 HCB	1	450	4100	7600	7000	6420	5530	4420	3180		
		475 495	4330 4500	8040 8380	7520 7820	6900	6100	5180	4190	3140	
333 HCB	11/2	515	4700	8380	8200	7320 7720	6620 7070	5700 6200	4750 5320	4020 4650	
	- / 2	540	4920	9140	8690	8200	7620	6830	6020	5300	3200
334 HCB	2	565	5150	9550	9120	8700	8120	7420	6650	5930	4280
JOT HUB	4	595	5420	10100	9630	9220	8770	8170	7380	6650	5280
335 HCB	3	635	5800	10700	10300	10000	9520	9030	8400	7720	6410
		680	6200	11500	11100	10860	10400	9970	9470	8850	7500
		275 295	2700	5730 6160	4270	2480				1	
		320	3100	6680	4820 5500	3250 4100	2250			-	-
361 HCB	3/4	340	3300	7100	6020	4810	3170				-
		360	3500	7520	6500	5450	3600	1620			
		385	3760	8010	7130	6180	5020	3650			
362 HCB	1	400	3900	8350	7480	6700	5480	4100	2070		
		425 445	4150 4350	9300	8050	7300	6150	5180	3900	2200	
363 HCB	11/2	470	4600	9810	8520 9070	7820 8370	6850 7550	5700 6470	5430	3320 4570	
000 1105	. / 2	490	4790	10200	9500	8820	8060	7100	6310	5400	
364 HCB	2	510	5000	10600	9960	9250	8600	7730	6820	6010	3300
304 HCB	2 -	535	5220	11100	10500	9870	9230	8480	7530	6870	4300
365 HCB	3	575	5600	12000	11400	10700	10200	9630	8720	7910	6770
		615	6000	12800	12200	11600	11100	10600	9800	9050	8250
-		190 210	2200	6450	4270						
		210	2400	7130 7640	5250 5880	3370					
421 HCB	3/4	245	2800	8320	6720	4600			 		-
		260	3000	8820	7350	5400	2880				1
		280	3200	9500	8130	6420	4380				
		290	3340	9870	8550	6980	5150			1	
422 HCB	1	305 325	3500 3740	10400	9020 9850	7530 8520	5800	2700 g			
		345	4000	11700	10400	9280	7900	5870	4020		
423 HCB	11/2	370	4260	12600	11500	10500	9220	7800	6120	2320	
424 HCB	2	385	4450	13100	12000	11000	9820	8510	7000	4820	
.24 1100	-	405	4670	13800	12900	11900	10800	9550	8280	6730	
425 HCB	3	435	5000	14800	14000	13000	12000	10900	9780	8500	5330
		465	5360	15800	15000	14100	13300	12300	11300	10200	7450
		185 205	2400 2600	8600 9530	6720						-
		205	2800	10200	7770 8480	8620			-		-
481 HCB	1	235	3000	10900	9300	7500	4920				-
		250	3200	11600	10000	8250	6000				1
		270	3460	12500	11000	9200	, 7170	2650			
482 HCB	11/2	290	3700	13500	12100	10500	8680	6100			
	/-	310	3980	14400	13100	11600	9920	8100	3400		ļ
483 HCB	2	325 340	4150 4360	15100	13700 14530	12300	10800	9150	7150 8600	3830	
		365	4700	17000	15800	14700	13400	12000	10300	7070	
484 HCB	3	390	5000	18100	17000	15900	14800	13500	12100	10600	3950
		415	5300	19300	18300	⇒ 17200	16100	15000	13700	12300	9600
485 HCB	5	435 460	5600 5910	20200 21400	19200 20500	18200 19500	17200 18600	1,6200 17700	15100 16600	13900 15500	11400



HI-D

AXIAL POWER ROOF EXHAUSTERS

High Discharge · Series HAB · Belt Drive



Rugged design...handsome, functional styling...guaranteed performance—you get all this and more with the new Jenn-Air HI-DISCHARGE Axial Roof Exhausters. An important design feature—locating the blade at the top of the unit—assures a high point of discharge and allows low curb construction, thus achieving a lower overall height than any equivalent unit in the industry.

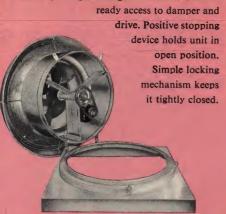
- Birdguard of heavy gauge stainless construction, an integral part of every unit.
- Heavy gauge steel blades are aerodynamically designed and are balanced for quiet operation.

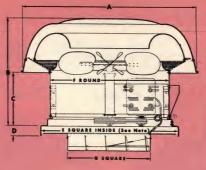
- Special vibration absorbers reduce noise to an absolute minimum.
- Power assembly guide vane construction and streamlined splitter permit high volume air discharge with maximum efficiency and minimum turbulence and noise.
- Adjustable motor pulley permits speed variation.
- Totally enclosed full ball bearing, prelubricated motor. Air cooled application adds years to motor life.
- Tubular drive assembly has sealed, prelubricated ball bearings.
- Motor and drive can be serviced from building interior if desired.

PERFO	RIMANC	E DATA

No.	НР	RPM	Tip Speed			CFM	. (A.M.C.A. Bul	I. 110—Plate	VI-A)		
No.		-	FPM	O" SP	1/8 " SP	1/4 " SP	3/8 " SP	1/2" SP	5/8 " SP	3/4 " SP	1" SP
		525	3300	3330	2500						
241 HAB	1/4	590	3700	3740	3000	2010	- 1				
		650	4100	4130	3500	2740					
242	1/3	690	4350	4380	3820	3100	2100				
HAB	/*	730	4600	4640	4070	3430	2620		-		
		765	4800	4850	4300	3720	2980				
243 HAB	1/2	795	5000	5050	4520	3940	3280	2460			
		835	5250	5300	4770	4270	3700	2850			
		875	5500	5550	5050	4580	4050	3300		-	
244 HAB	3/4	915	5750	5810	5350	4900	4350	3780			
		955	6000	6060	5590	5200	4680	4120	3940		
					•						
		410	3220	5080	3750						
	1	435	3400	5330	4040						
301 HAB	1/2	460	3600	5700	4550	2950					
		495	3900	6140	5075	3650					
		535	4200	6640	5650	4580					
		575	4500	7130	6250	5280	3780				- 10
302 HAB	3/4	610	4800	7560	6720	5750	4660				
TIAL		650	5100	8060	7250	6390	5440				/
303 HAB	1	690	5400	8550	7760	7000	6140	4890			
IIAB		725	5700	8985	8240	7560	6730	5830			
304		750	5900	9300	8580	7950	7080	6350	5080		
HAB	11/2	790	6200	9800	9080	8500	7740	7050	6030	4880	
		830	6500	10300	9620	9050	8400	7650	6850	5780	
305 HAB	2	865	6800	10700	10070	9530	8950	8180	7530	6560	
IIAD		910	7150	11300	10650	10100	9600	8920	8290	7500	5620
		340	3200	7270	5320					v	
		360	3400	7700	5850						
361		380	3700	8130	6450	4120					
HAB	3/4	415	3900	8870	7350	5320					
_		445	4200	9520	8100	6400					
		485	4570	10360	9150	7650	5710				
362		505	4750	10800	9600	8180	6450				
HAB	1	535	5050	11420	10250	8950	7650	5680			
-		560	5300	12000	10850	9700	8420	6560			
363 HAB	11/2	590	5550	12610	11500	10500	9250	7720	6080		
		610	5750	13020	11950	11000	9780	8500	6750		

• Specially designed hinge on housing permits





NOTE: Outside dimension of curb base should be 3/4" to 1" less than the inside curb cap dimension (E) depending on thickness of flashing material used.

ELECTRICAL CHARACTERISTICS

Single speed models available in 115 volt, 208 volt or 230 volt single phase, and 208, 220, 440 volt three phase. Single speed motors are 1725 RPM. Two speed drive motors for most models can be supplied either two winding (1725/1140) or single winding (1725/860). Two speed controls supplied if specified. For complete motor availability see Sheet 2081, or contact your local representative.

DI	MEN	SIO	NS II	N II	ИСН	ES	
MODEL	A	В	C	D	E	F	G
241 THRU 244	41	26	131/4	3	34	29	24
301 THRU 305	51	311/2	151/4	3	40	35	30
361 THRU 365	60	361/2	173/4	3	46	41	36
421 THRU 485	74	43	201/2	4	58	53	48

					PERF	ORMANO	E DATA				
Model	НР	RPM	Tip			CFM	. (A.M.C.A. Bu	II. 110—Plate	VI-A)		
No.	nr.	KPM	Speed FPM	O" SP	1/8 " SP	1/4 " SP	3/8 " SP	1/2 " SP	5/8 " SP	3/4 " SP	1" SP
364	2	635	6000	13590	12650	11650	10450	9380	7620		
HAB	1	670	6300	14310	13300	12500	11400	10400	9080	7500	
365		715	6750	15300	14300	13550	12650	11550	10600	9100	
HAB	3	770	7250	16480	15550	14800	14100	13050	12180	11200	8450
7	-										
		290	3200	9840	7160						
		310	3400	10500	7990						
421	3/4	330	3640	11200	8920	5630					
HAB	/-	345	3800	11700	9550	6,600					
		365	4000	12400	10350	7700					
		375	4140	12700	10750	8350					
422	1	390	4300	13200	11350	9150					
HAB		410	4500	13900	12100	10100	7350				
423	11/2	435	4800	14750	13050	11200	8800				1
HAB	172	470	5170	15950	14350	12700	10750	8300			
424	2	490	5400	16600	15050	13600	11800	9300			
HAB	2	520	5700	17650	16150	14850	13150	11350	8950		
		545	6000	18500	17050	15800	14200	12500	10500	8600	
425 HAB	3	575	6350	19520	18100	16975	15550	14100	12200	10150	
IIAB		595	6550	20200	18800	17750	16500	15050	13350	11300	
		250	3150	12700	9150						
		265	3300	13350	10000						
481	1	280	3500	14210	11100	6900					
HAB		295	3700	14970	12050	8250					
		310	3900	15720	13050	9400					
		330	4150	16750	14100	11000					
482	11/2	350	4400	17770	15450	12750	9000				
НАВ	172	375	4700	19010	16750	14300	11100				
483	2	395	4950	20050	17900	15600	13000	9600			_
HAB	_	415	5200	21900	19700	18100	15700	12600			
484	2	445	5600	22600	20600	18800	16700	13900	10900		
HAB	3	475	6000	24100	22150	20200	18700	16200	13700	11200	
		510	6400	25900	24100	22700	20900	19000	16950	13900	
485 HAB	5	540	6800	27400	25700	24300	22800	20900	19200	16700	
		565	7100	28650	27000	25700	24300	22500	20800	18750	14100

CFM figures in the shaded areas indicate quiet operation. There are factors other than tip speed such as mechanical noises, inlet velocities, turbulence and increased static pressure which affect the total sound level intensity of an exhauster.

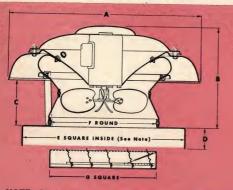


DIRECT DRIVE

- Ten-year-lubricated ball bearing motor is mounted outside air stream.
- Exclusive Jenn-Air U-spring suspension compensates for both radial and lateral movement . . . provides 44% better vibration isolation than rubber isolators.
- Heavy gauge spun aluminum housing gives unit strength without weight, eliminates rust.
- External wiring post supplied for electrical conduit.
- High point of discharge with low contour.

There's more air-per-dollar value in the Jenn-Air Axial Power Roof Exhauster. Ten models include one ideally suited to any medium capacity installation. Pressure type aluminum blades provide smooth, powerful, quiet-running

performance. Low contour design and all aluminum housing give the unit a clean, modern appearance.



NOTE: Outside dimension of curb base should be 3/4" to 1" less than the inside curb cap dimension (E) depending on thickness of flashing material used.

ELECTRICAL CHARACTERISTICS

Disconnect switches for single or three phase supplied if specified. Two speed units furnished with hi-off-low controls. Single phase available in 115 volt or 230 volt, 60 cycle. Three phase available in 208, 220 and 440 volt, 60 cycle. Most models available as explosion resistant with Class 1, Group D explosion proof motors and spark resistant construction according to AMCA Bulletin 110, Type B. Explosion proof disconnect switches or controls are not furnished Explosion resistant 100AR furnished with 1/20 HP, 1725 RPM, Class 1, Group D motor. For further motor specifications see Sheet No. 1414 or contact your local representative.

PERFORMANCE AND DIMENSIONAL DATA

Model	HP	RPM			CFM. (A.M	A.C.A. Bu	II. 110—P	late VI-A	
No.	1/15		O" SP	1/8" SP	1/4" SP		1/2" SP	5/8" SP	3/4" SP
*100AR *	1/15	1550	840	735	610	390	12 01	/8 31	74 31
*121AR	1/8	1140	1320	1190	730	570	390		
*120AR	1/4	1725	2000	1840	1760	1570	1160	1060	070
*161AR	1/6	1140	2040	1730	1400	1110	930	1000	970
*160AR	1/3	1725	3060	2810	2650	2580	2410	2020	1000
208AR	1/4	860	2400	1990	1370	880	2410	2020	1800
*201AR	1/4	1140	3180	2900	2530	1940	1610		
248AR	1/3	860	4340	3560	2975	2520	1010		
242AR	1/2	1140	4810	4430	3900	3250	2000	0700	
241AR	3/4	1140	5750	5150	4600	4120	3020	2700 3480	

Model			DIMENS	IONS IN	INCHES			Metal	Approx.
No.	A	В	С	D	E	F	G**	Gauges	Shipping Weight
*100AR	21	13	7	2	20	123/4	10	.064	
*121AR	28	16	8	3	24	-	-		25
*120AR	28	-	-		-	153/4	14	.064	60
	-	16	8	3	24	153/4	14	.064	60
*161AR	32	18	81/2	3	28	193/4	18	.064081	75
*160AR	32	18	81/2	3	28	193/4	18	.064081	75
208AR	36	20	93/4	3	32	233/4	22	.064081	
*201AR	36	20	93/4	2	_			-	130
	-	-		3	32	233/4	22	.064081	110
248AR	42	23	101/4	3	36	283/4	26	.064081	150
242AR	42	23	101/4	3	36	283/4	26	.064081	160
241AR	42	23	101/4	3	36	-			
						283/4	26	.064081	175
Available with 1	Wo Speed	1115 Vo	It Single P	hase Ma	tore :				

*Dimension G Is Recommended Type C Damper Size

Average • for drug stores, kitchens, restaurants, bowling alleys, locker rooms and other similar locations.

Quiet • for offices, schools, hospitals, churches, auditoriums other locations where noise must be minimized.

Commercial • for laundries, machine shops and other industrial locations

RELIEF VENTS



ELIMINATE UNSIGHTLY GOOSENECKS and HOODS

Handsomely designed, ruggedly built Jenn-Air Relief Vents are designed for fresh air intake or pressure relief within the building. Strong, lightweight spun aluminum construction. Outlet area is 1-1/2 times throat area, thus keeping pressure loss through the vent to a minimum. Five sizes. Spring loaded or motorized back draft dampers type C available as optional equipment. Cylindrical bird guards or bug screens optional on all models.

RELIEF VENT SPECIFICATION DATA

G	F	E	D	С	В	A	No.
10	12¾ = .88 Sq. Ft.	20	2	17/8	11	20	RV10
14	15¾ = 1.35 Sq. Ft.	24	3	25/8	14	24	RV12
18	193/4 = 2.13 Sq. Ft.	28	3	2 1/8	17	30	RV16
22	23¾ = 3.08 Sq. Ft.	32	3	33/8	20	36	RV20
26	283/4 = 4.51 Sq. Ft.	36	3	4	23	42	RV24

					20/4-4	o i oq. ri.	20			
CFM										
Model No.	.025" SP	.050" SP	.075" SP	.10" SP	.15" SP	.20" SP	.25" SP			
RV10	375	530	650	750	910	1060	1180			
RV12	570	810	990	1150	1400	1620	1810			
RV16	910	1280	1570	1810	2220	2560	2850			
RV20	1310	1850	2260	2620	3200	3700	4130			
RV24	1920	2700	3310	3830	4690	5410	6050			
Throat-> Velocity	425	600	735	850	1040	1200	1340			
- Glocity										

Outlet Velocity= Throat Velocity (FPM) at Diam, F



Quiet-tested CENTRIFUGAL
WALL EXHAUSTERS

DIRECT DRIVE

- Ruggedly built of heavy gauge spun aluminum
- Handsome lines resemble architecturally sculptured button
- Exclusive U-spring suspension eliminates vibration transmission from power assembly to wall
- Non-overloading all aluminum wheel conforms to shape of housing to minimize turbulence
- Ten-year-lubricated motor is mounted out of air stream
- Conduit sleeve simplifies electrical connection

Here's powerful radial discharge performance in a wall exhauster that's compact, lightweight and easy to install. Housing flanges directly to outside wall. Equipped with standard round duct fittings. Provides spot ventilation for installations such as multi-story construction where roof exhausters would prove unsuitable or too costly to install.



ELECTRICAL CHARACTERISTICS

Disconnect switches for single or three phase supplied if specified. Two speed units furnished with hi-off-low controls. Single phase available in 115 volt or 230 volt, 60 cycle. Three phase available in 208, 220 and 440 volt, 60 cycle. Most models available as explosion resistant with Class 1, Group D explosion proof motors and spark resistant construction according to AMCA Bulletin 110, Type B. Explosion proof disconnect switches or controls are not furnished.

Explosion resistant 71CW, 70CW and 80CW furnished with 1/20 HP, 1725 RPM, Class 1, Group D motor. For further motor specifications see Sheet No. 1414 or contact your local representative.



Quiet • for offices, schools, hospitals, churches, auditoriums and other locations where noise must be minimized.



Average • for drug stores, kitchens, restaurants, bowling alleys, locker rooms and other similar locations.



Commercial • for laundries, machine shops and other industrial locations.

*Available with 2 Speed 115 Volt Single Phase Motors

PERFORMANCE AND DIMENSIONAL DATA

CW SERIES CENTRIFUGAL WALL EXHAUSTERS

Model No.	НР	RPM			CFM (A.A	A.C.A. Bu	II. 110—P	late V-A		
			O" SP	1/8" SP	1/4" SP	3/8" SP	1/2" SP	5/8" SP	3/4" SP	1" SP
* 71CW*	1/25	1550	175	150	120	90				
* 70CW *	1/25	1550	305	265	200	130				
* 80CW *	1/15	1550	640	575	475	370	290	205	110	
98CW	1/12	860	690	425	215					
* 91CW	1/8	1140	920	730	525	400	245	-		-
* 90CW	1/4	1725	1390	1260	1160	1000	840	750	680	500
108CW	1/12	860	845	560	360	150		-		
*101CW	1/6	1140	1120	930	. 690	540	380	220		
*100CW	1/3	1725	1695	1590	1440	1310	1110	1000	910	730
118CW	1/12	860	1030	760	480	275				
*111CW	1/6	1140	1360	1160	970	740	580	410	200	
*110CW	1/2	1725	2060	1960	1810	1640	1530	1400	1240	1010
128CW	1/12	860	1330	975	735	500	260		market market and the	Strain to the strain
*121CW	1/4	1140	1770	1480	1250	1070	880	680	470	-
148CW	1/4	860	2220	2010	1730	1300	930	710	460	
141CW	1/2	1140	2940	2790	2610	2410	2150	1810	1490	1050
168CW	1/3	860	2900	2620	2200	1770	1310	1070	750	
161CW	3/4	1140	3850	3660	3420	3100	2730	2450	2080	1550

Model	DIMENSIONS IN INCHES						Metal	Approx.	
No.	A	В	С	D	E	F	G**	Gauges	Shipping Weight
* 71CW*	15	8	515/16	11/2	8	95/8	8	.064	16
* 70CW*	15	8	515/16	11/2	8	95/8	8	.064	16
* 80CW*	20	9	915/16	2	12	115/8	10	.064	20
98CW	26	131/2	1115/16	3	15	135/8	12	.064081	40
* 91CW	26	131/2	1115/16	3	15	135/8	12	.064081	40
* 90CW	26	131/2	1115/16	3	15	135/8	12	.064081	40
108CW	26	131/2	1115/16	3	15	135/8	12	.064081	50
*101CW	26	131/2	1115/16	3	15	135/8	12	.064081	50
*100CW	26	131/2	1115/16	3	15	135/8	12	.064081	50
118CW	30	151/2	1315/16	3	171/2	175/8	16	.064081	60
*111CW	30	151/2	1315/16	3	171/2	175/8	16	.064081	60
*110CW	30	151/2	1315/16	3	171/2	175/8	16	.064081	60
128CW	30	151/2	1315/16	3	171/2	175/8	16	.064081	65
*121CW	30	151/2	1315/16	3	171/2	175/8	16	.064081	60
148CW	36	161/2	1715/16	4	22	215/8	20	.064102	75
141CW	36	161/2	1715/16	4	22	215/8	20	.064102	85
168CW	36	161/2	1715/16	4	22	215/8	20	.064102	80
161CW	36	161/2	1715/16	4	22	215/8	20	.064102	130



SALES REPRESENTATIVES

BALTIMORE, MD.

Taze and Hewitt, 33 East 21st St.

BIRMINGHAM, ALA.

Snowden-Walters Co. Inc., 209 19th St., S. (P. O. Box 669)

BROOKLINE, MASS.

Leonhardt Co., 89 Pond Ave. (P. O. Box 506)

CAZENOVIA, N. Y.

Lewis Reid, 13 Sims Lane

CHARLOTTE, N. C.

Howard V. Caton Co., 230 N. Torrence St. (P. O. Box 4126)

CHICAGO, ILL.

Edw. Filkins, Inc., 216 S. Jefferson St.

CINCINNATI, OHIO

G. V. Sutfin Co., P. O. Box 43, Western Hills Sta.

CLEVELAND, OHIO

The Thermal Products Co., 1555 Hamilton Ave.

COLUMBUS, OHIO

The Charlie Wood Co., 519 E. Cherry St.

DENVER, COLO.

Air Purification Co., 2405 W. 32nd Ave.

DES MOINES, IOWA

Gibson-Townsend Co., 210-211 Masonic Temple Building

DETROIT, MICH.

R. Dykstra & Co., 7701 Mack Ave.

EAST ORANGE, N. J.

Oliver & McClellan, Inc., 19 No. Harrison St.

EL PASO, TEXAS

Herlin Engineering Co., 1601 Bassett Ave. (P. O. Box 512)

FORT WORTH, TEXAS

J. D. Higgins Co., 3816 W. Biddison St.

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R. K. Hunter & Co., 1404 Westridge Rd. (P. O. Box 8357)

HOUSTON, TEXAS

Ramsey & Robinson, 1107 Rosine (P. O. Box 7585)

JACKSONVILLE, FLA.

Clarke A. Hogan, 3916 Barcelona Ave. (P. O. Box 5497)

KANSAS CITY, MO.

Heaven Engineering Co., 1529 Oak St.

KENMORE, N. Y.

Rodman Engineering Co., 12 Deerhurst Blvd.

LOS ANGELES, CALIF.

Paul Bradfield & Co., 864 S. Robertson Blvd.

LOUISVILLE, KY.

David J. Rank Co., 307 Columbia Bldg.

MEMPHIS, TENN.

Flinn Engineering Co., 123 N. Cleveland St.

MIAMI, FLA.

E. G. Koyl, Inc., 14716 N. W. 7th Ave.

MINNEAPOLIS, MINN.

C. S. Heltne Ventilating Co., 2613 Nicollet

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John F. Scanlan, Inc., 518 Race St.

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PORTLAND, ORE.

Wm. S. Turner Co., 432 Pacific Bldg.

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L. A. Bernert Co., 300 E. Main St., Rm. 302

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A. W. Nugent & Co., 702 Chaney Drive

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Arthur L. Bolster, 3533 Bowen Road

CANADA

TORONTO, ONTARIO

Douglas Engineering Co. Ltd., 195 Bridgeland Ave.

VANCOUVER, B. C.

General Equipment Ltd. 224 West 5th Ave.

GUARANTEED PERFORMANCE

Tested and rated in accordance with standard test code NAFM Plate V-A and VI-A as adopted by AMCA and ASH&AE.

WARRANTY

The Jenn Air Products Company Inc. warrants this equipment to be free from defects in material and workmanship for a period of one year from date of purchase. Any units or parts proving defective within this period will be repaired or replaced at our option when returned to our factory, transportation charges prepaid. Under no circumstances will the Jenn Air Products Company Inc. be responsible for any installation or removal costs.





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